



FILE COPY

Receipt

TRANSMITTAL FORM

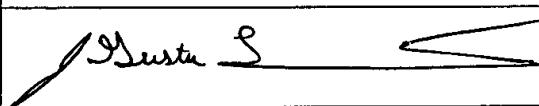
(to be used for all correspondence after initial filing)
Total Number of Pages in this Submission 4

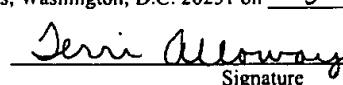
Application Number: 09/724,597
Filing Date: 11-28-2000
First Named Inventor: Rosefield, et al.
Group Art Unit: 2812
Examiner: Unknown
Attorney Docket No.: ATI.010002

ENCLOSURES (check all that apply)

- Fee Transmittal Form
- Fee Attached
- Amendment/Response
- After Final
- Affidavits/Declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/Incomplete Application
- Response to Missing Parts under 37 CFR 1.52 or 1.53
- Assignment Papers (for an Application)
- Drawing(s)
- Licensing-related Papers
- Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- To Convert a Provisional Application
- Power of Attorney, Revocation, Change of Correspondence Address
- Terminal Disclaimer
- Small Entity Statement
- Request for Refund
- After Allowance Communication to Group
- Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- Proprietary Information
- Status Letter
- Request for Corrected Filing Receipt
- Letter to Draftsperson
- Formal Drawings (after initial filing)
- Issue Fee Transmittal
- Request for Corrected Assignment
- Response to Notice to File Corrected Application Papers
- Additional Enclosure(s) (please identify below):

Remarks:

| | | |
|--|--|---------------|
| Firm Name | Simon, Galasso & Frantz, PLC P.O. Box 26503 Austin, Texas 78755-0503 | |
| Signature of Applicant, Attorney, or Agent |  | |
| Name and Registration No.: | J. Gustav Larson, Reg. No. 39,263 | Date: 5-15-01 |

| | | |
|--|--|--|
| CERTIFICATE OF MAILING | | |
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on <u>5-15-01</u> . | | |
| Terri Alloway Typed or Printed Name |  Signature | |

SEP 20 2001
102600 MAIL ROOM
RECEIVED

Receipt
FD
CFR
9-06-04
1253

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Rosefield, et al.

Title: APPARATUS HAVING REDUCED INPUT OUTPUT AREA AND
METHOD THEREOF

App. No.: 09/724,597

Filed: 11-28-2000

Examiner: Unknown

Group Art Unit: 2812

Atty. Dkt. No. ATI.010002

Application Processing Division
Customer Correction Branch
Assistant Secretary in Connection with
Patents and Trademarks
U.S. Patent & Trademark Office
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Dear Sir:

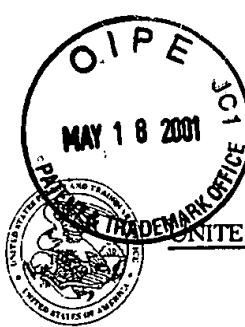
Please make the indicated corrections as shown on the enclosed Filing Receipt. Please correct the **total claims to 20** and **independent claims to 3** as indicated by the attached copy of page 11 of the filed patent application. Please contact me at the below-listed telephone number if you have any questions or need additional information.

Respectfully submitted,

5-15-01
Date

Gustav S
Gustav Larson, Reg. No. 39,263
Attorney for Applicant(s)
Simon, Galasso & Frantz, PLC
P.O. Box 26503
Austin, Texas 78755-0503
(512) 336-8957 (phone)
(512) 336-9155 (fax)

RECEIVED
SEP 20 2001
TC 2800 MAIL ROOM



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
www.uspto.gov

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY.DOCKET.NO | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|----------------|----------|------------|------------|
| 09/724,597 | 11/28/2000 | 2812 | 710 | ATI010002 | 5 | 13 20 | 23 |

CONFIRMATION NO. 7653

FILING RECEIPT



'OC000000005932910'

J. Gustav Larson
 Simon, Fakhouri, Tangalos, Frantz & Galasso, PLC
 P.O. Box 26503
 Austin, TX 78755-0503

Date Mailed: 04/04/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Peter L. Rosefield, Stouffville, CANADA;
 Harvest W.C. Chung, Scarborough, CANADA;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 04/03/2001

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

Title

Apparatus having reduced input output area and method thereof

Preliminary Class

438

RECEIVED
 SEP 20 2001
 102800 MAIL ROOM

14. An apparatus comprising:

semiconductor substrate having an input output (IO) ring, the IO ring having a bond pad portion and an active buffer portion;

the bond pad portion including:

5 a first bond pad;

a second set of bond pads having one or more bond pads;

a third bond pad, wherein the second set of bond pads is immediately adjacent to the first and third bond pads; and

a conductive trace coupling the first bond pad to the third bond pad.

10

15. The apparatus of claim 14, wherein the first bond pad and the third bond pad are power pads, wherein a power pad is to be coupled to a fixed voltage source.

16. The apparatus of claim 15, wherein the fixed voltage source is one of Vdd and Vss.

15

17. The apparatus of claim 14, further comprising:

a package substrate having a power portion, wherein the power portion is to provide a fixed voltage;

a first bond wire connected to the first bond pad and the power portion;

20

a second bond wire connected to the third bond pad and the power portion.

18. The apparatus of claim 17 further comprising exactly one of the first bond pad and the third bond pad being connected to the active buffer portion of the IO ring.

25

19. The apparatus of claim 14, wherein the second set of bond pads includes one bond pad.

20. The apparatus of claim 14, wherein the second set of bond pads includes more than one bond pads.